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Heinz-Werner Pfeiffer

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EXAMINER

CHOW, YUK

ART UNIT

PAPER NUMBER

2629

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DELIVERY MODE

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

|                              |                                      |  |  |
|------------------------------|--------------------------------------|--|--|
| <b>Office Action Summary</b> | <b>Application No.</b><br>10/590,769 | <b>Applicant(s)</b><br>PFEIFFER ET AL. |  |
|                              | <b>Examiner</b><br>YUK CHOW          | <b>Art Unit</b><br>2629                |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 28 May 2010.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 7-14 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 7-14 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)                        | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 7-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Toffolo et al (US 5,757,268) in view of Sims (US 6,748,682).

As to **claim 7**, Toffolo discloses a method for outputting text information to a driver of a vehicle via a display unit of a driver information system located inside the vehicle, the display unit having a predetermined display capacity, the method comprising:

providing text information (Fig. 5(62)) to be output to the driver of the vehicle via the display unit of the driver information system located inside the vehicle (see Fig. 1A, display 22 is located inside the vehicle), wherein the text information includes at least one information element, the at least one information element being divided into at least two component fields (Fig. 5(22), shown many component fields);

adapting the text information to be output to the driver of the vehicle via the display unit of the driver information located inside the vehicle, depending on the predetermined display capacity of the display unit of the driver information system located inside the vehicle (see Abstract);

However, Toffolo disclosure does not teach information prefix or suffix having a predetermined abbreviated equivalent.

Sims disclose a messaging system wherein teaches the component fields include at least an information body and at least one of an information prefix (Fig. 2(206)) and an information suffix (Fig. 2(202)) of the information element, and wherein at least one of the information body, information prefix and information suffix having an a predetermined abbreviated equivalent (Fig. 2(202) has abbreviated equivalent of World Wide Web); and

wherein text information outputted on the display unit includes one-of:

- a) full representation of the at least one information element if the predetermined display is sufficient for the full representation (Col. 3 lines 31-56); and
- b) the abbreviated equivalent of the at least one of the information body, information prefix and information suffix if predetermined capacity is insufficient for full representation of the at least one information element (see Fig. 2(202, 206) and Abstract).

Toffolo contains a "base" of process of a vehicle reconfigurable display includes the step of prioritizing information which the claimed invention can be seen as "improvement" in that by displaying a abbreviated equivalent of a message.

Sims contains known technique of displaying information in component fields include prefix and suffix in an abbreviated form, which is applicable to the "base" process.

Sim's known technique of displaying a abbreviated message would have been recognized by one skill in the art as applicable to the "base" process of Toffolo and results would have been predictable and resulted in readability without using a bigger display area which is an improved process.

Therefore, the claimed subject matter would have been obvious to a person having ordinary skill in the art at the time the invention was made.

As to **claim 8**, Toffolo and Sims disclose the method as recited in Claim 7, wherein the text information to be output includes a plurality of information elements, and wherein for each information element, outputting one of:

- a) full representation of the information element if the predetermined display is sufficient for the full representation (Sims Col. 3 lines 31-46); and
- b) the abbreviated equivalent of the at least one of the information body, information prefix and information suffix (see Sims Fig. 2(202, 206)) if the predetermined capacity is insufficient for full representation of the at least one information element.

As to **claim 9**, Toffolo and Sims disclose the method as recited in Claim 8, wherein each component of information element is displayed on a separate line of the display unit (See Col. 3 lines 22-30).

As to **claim 10**, Toffolo and Sims disclose the method as recited in Claim 7, wherein each component of information element has an abbreviated equivalent, and wherein the abbreviated equivalents are output (see Fig. 2(208)).

As to **claim 11**, Toffolo and Sims disclose the method as recited in Claim 8, wherein each component of information element has an abbreviated equivalent, and wherein the abbreviated equivalents are output (Fig. 2(208)).

As to **claim 12**, Toffolo and Sims disclose the method as recited in Claim 9, wherein each component of information element has an abbreviated equivalent, and wherein the abbreviated equivalents are output (Fig. 2(208)).

As to **claim 13**, Toffolo and Sims disclose the method as recited in Claim 7, wherein each of the information body, information prefix and information suffix having an abbreviated equivalent, and wherein the text information to be outputted is adapted hierarchically, whereby outputting of full representation the information body is given highest priority (See Col. 3 lines 9-30, first display item and second display item).

Regarding **claim 14**, limitations in this apparatus claim are similar to method claim 1, therefore same rejection applies.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YUK CHOW whose telephone number is (571)270-1544. The examiner can normally be reached on 8-6 M-TH E.T..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amare Mengistu can be reached on 571 272-7674. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2629

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Y. C./

Examiner, Art Unit 2629

/Amare Mengistu/

Supervisory Patent Examiner, Art Unit 2629